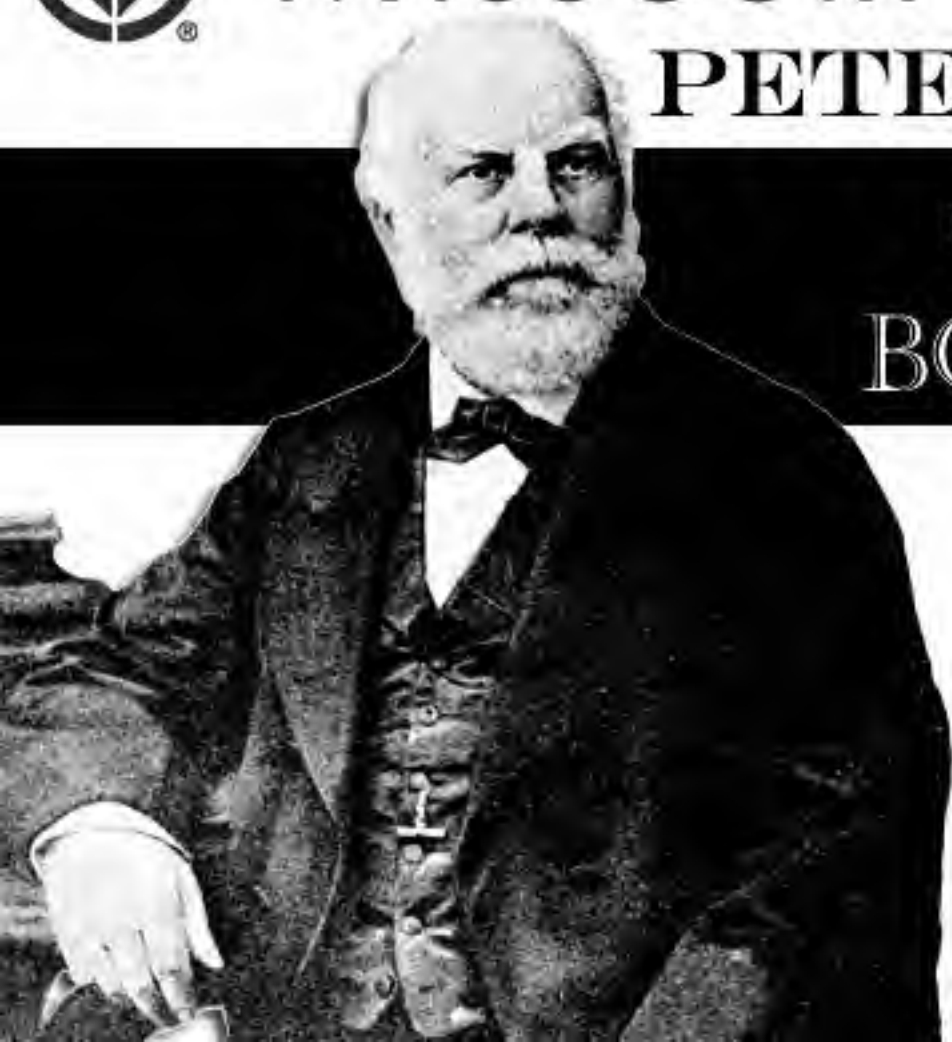




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PETER H. RAVEN

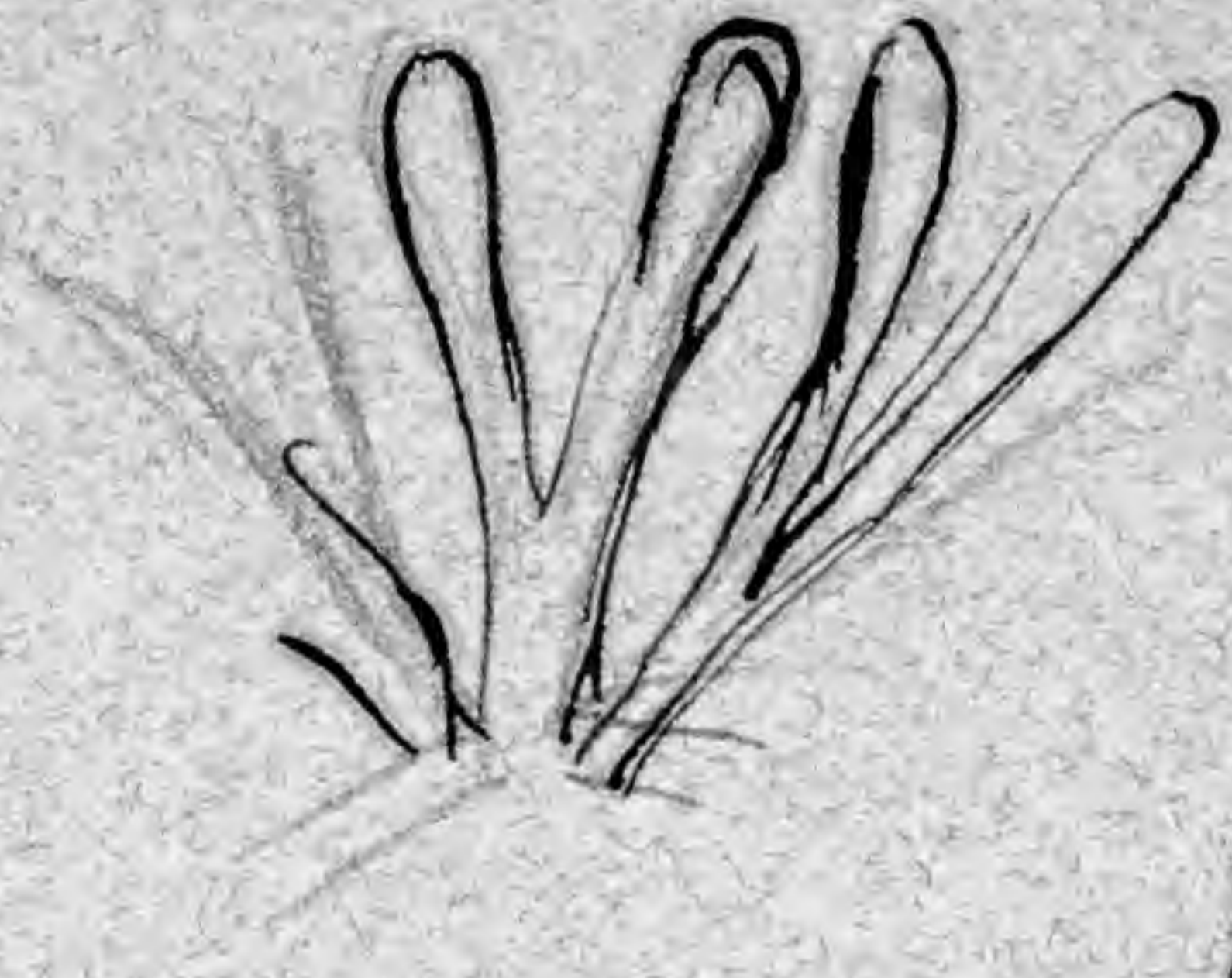
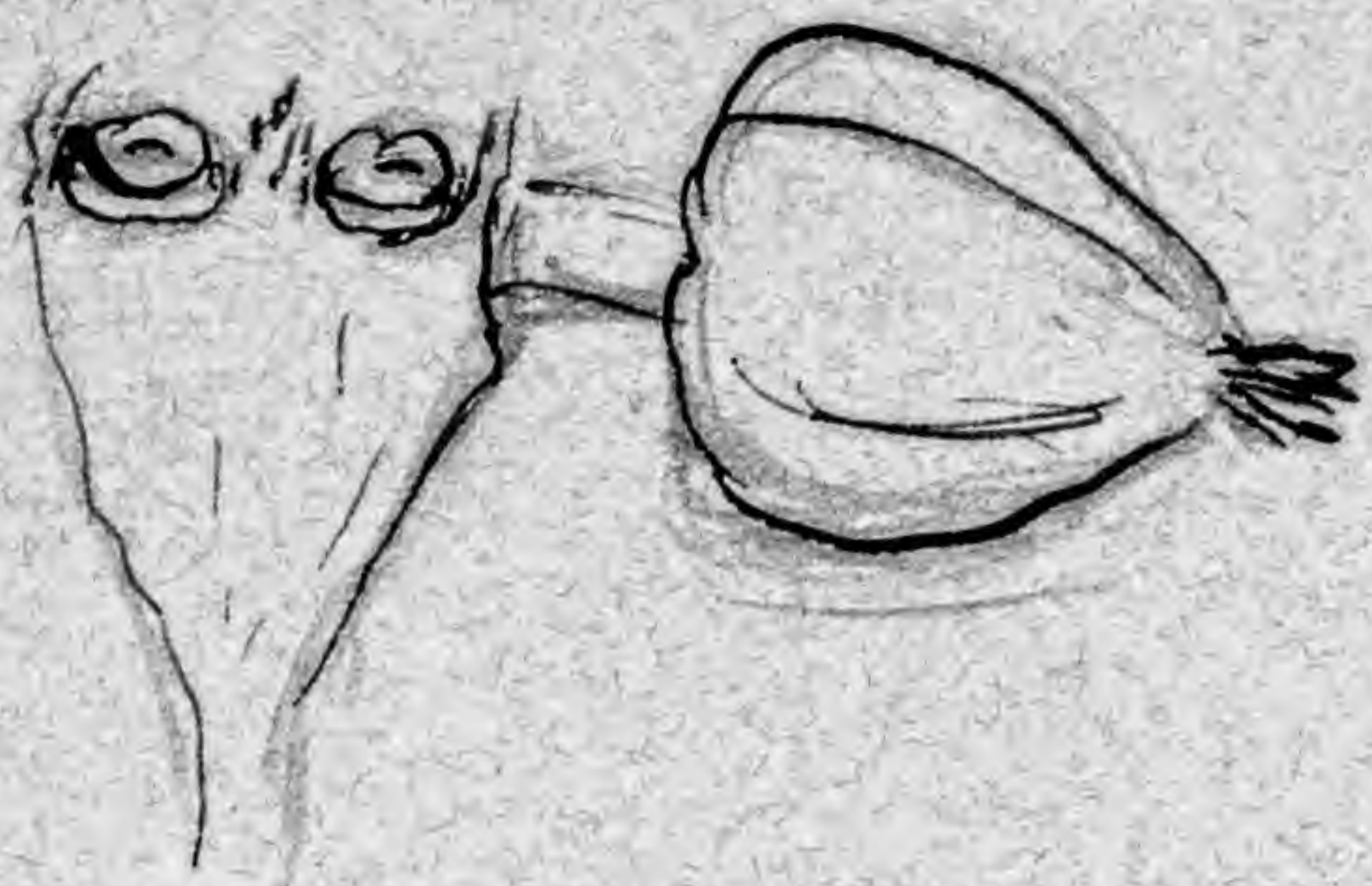
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BOTANICAL



Since
page
onlin
nu

29

E. prostrata *tenneriffa*



Euph. prostrata Ait!

|| *Euph. Forskælii* var *hirsuta* J. Gay -
Webb. Canas

tenneriffa

Bourgeois 1509

Not in the least distinct from

E. prostrata

a large leaved, smoothish form,
the edges of capsule sharp
and hairy, styles ^{short} deeply divided
stig. - clavate.



0 1 2 3 4 5 6 7 8 9 10

cm

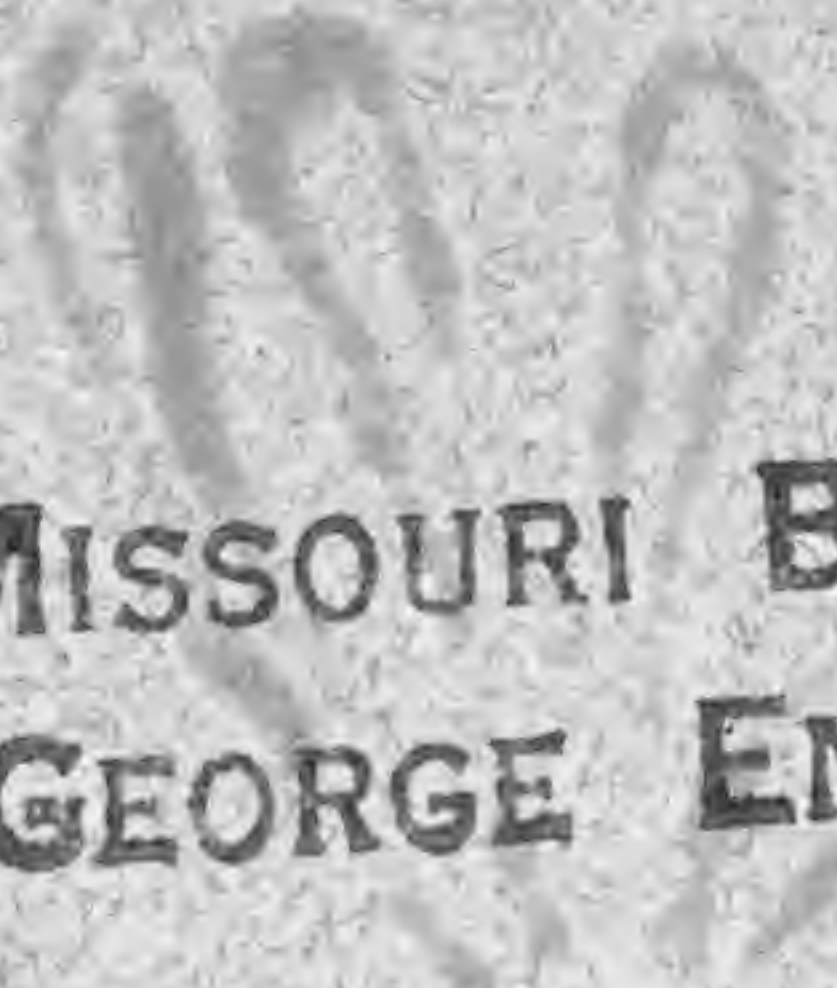
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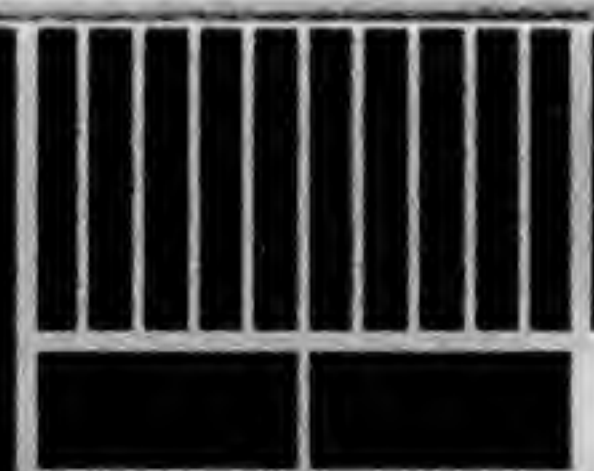
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0 1 2 3 4 5 6 7 8 9 10

cm

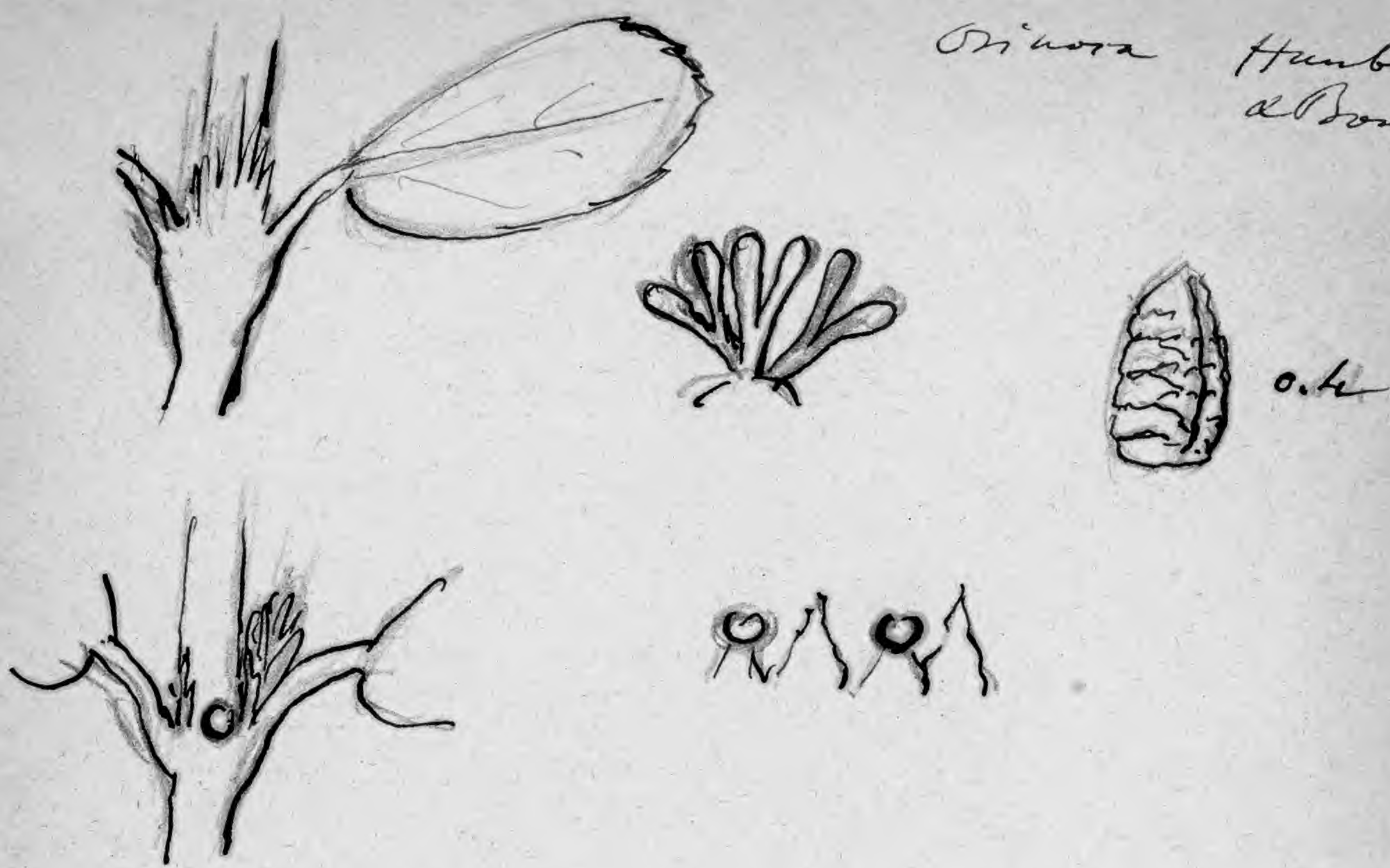
copyright reserved



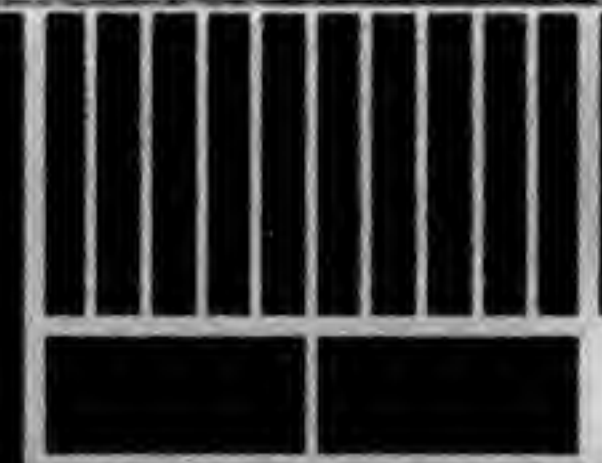
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Cuscut. lanella Kunth

Orinora Humboldt
al. Bonpl.



Caulis prostratus, annuus, in locis
 pubescentibus; infra pilosulis
 foliis, obovatis oblongis, integerrimis
obtusis
 2. nervis apice radicibus serotinis
 stipulis membranaceis laciniatis
superioribus ovatis
superioribus linearibus
 involucri parvis; glandulis
 inappressis, minutis, lobis 3 angulis
 stylis ovario pilosis brevibus
 stygum glaberratis
 semine transverse rugosis costatis
angulis crenulatis
angulis acutis pilosulis
 leaves 1-1 1/2 li long, seeds 0.4 li



0 1 2 3 4 5 6 7 8 9 10
cm

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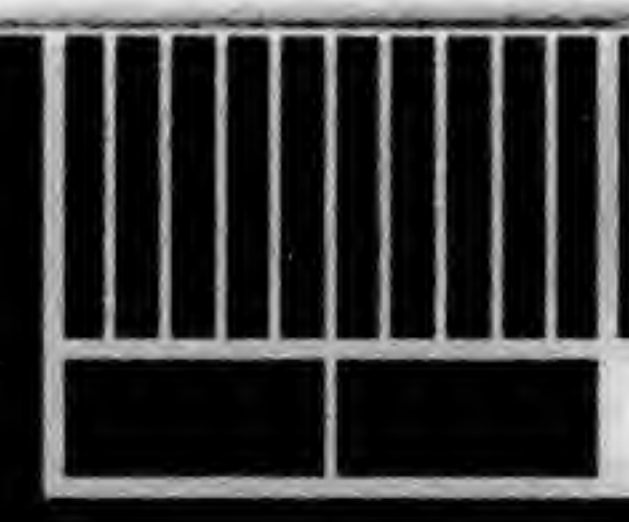
Faint handwritten notes at the top left of the page.



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Large block of very faint, illegible handwritten text covering the lower half of the page.



0 1 2 3 4 5 6 7 8 9 10

cm

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E. protota Aiton
Mouth of Niger
Africa



0.4



gland. not appendiculated
 styles shorter, bifid to
 middle
 Ovary hairy
 stem pubescent on
 lower side
 leaves oval entire
 or serrate
 pilose as
 edge, top
 stipules united
 triangular ciliate
 rays hairy sharp angled
 angles crenate

[Faint mirrored text from the reverse side of the page is visible, including 'No. 108. 1846', 'Mr. L. D. R. 63', and 'F. 292.']



hemianthes g

Mo. E

Hale

Strom

Hayden

Gregg 214

— 457. a

Arkansas

Geyer Mission

Fendler 799

Mo. Tex

Eaton Tex

Drum Tex II, 320

Key work O. D. Jett.

Drizler Texas

Worley England

Strom

Arkansas, Nuttall

Red River Arkansas

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cm

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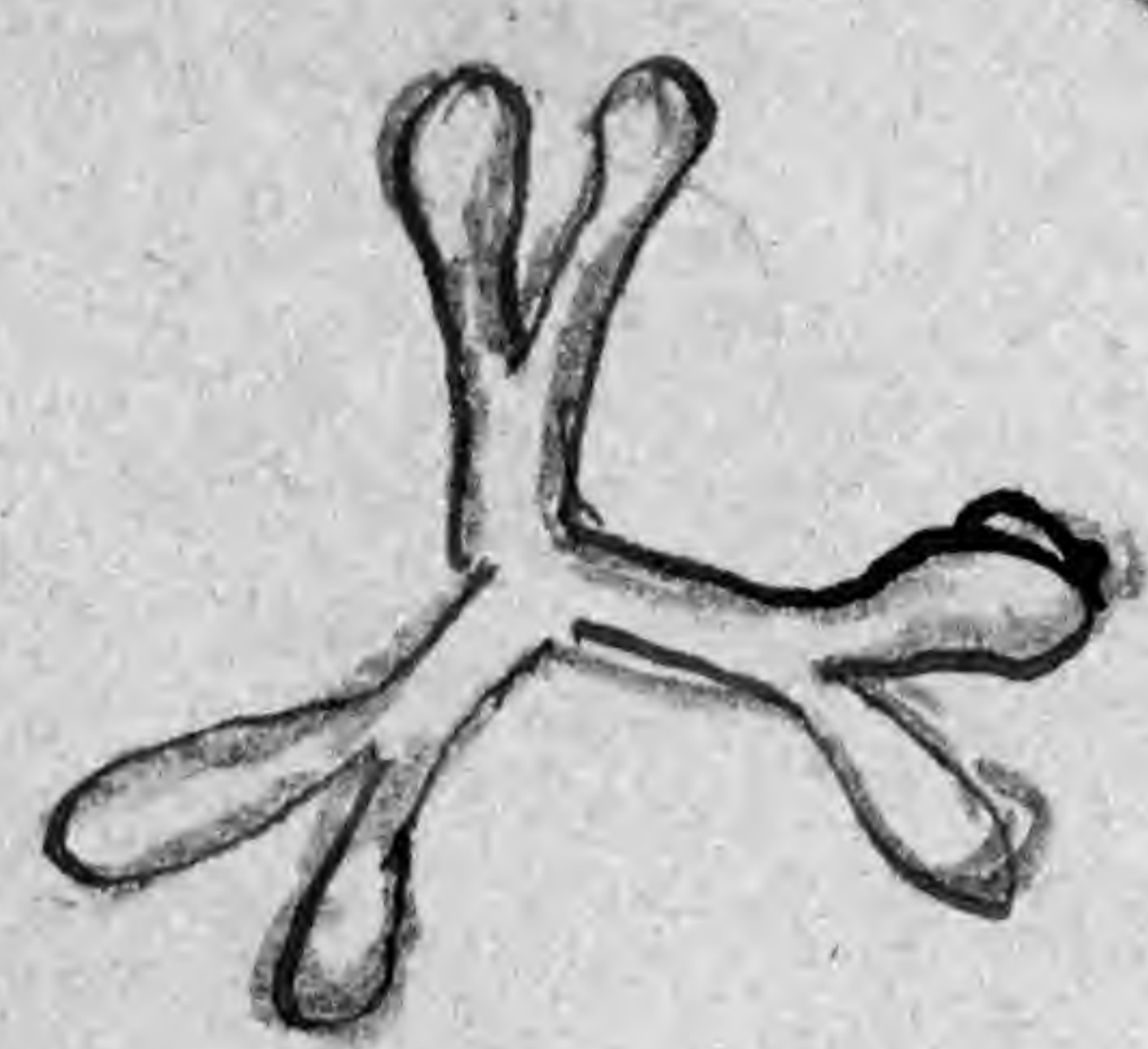


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30

P. ovalifolia

var *purpurea* (*P. purpurea*
Hale)



0 1 2 3 4 5 6 7 8 9 10

cm

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Handwritten text, possibly a signature or name, written in cursive script.



0 1 2 3 4 5 6 7 8 9 10

cm

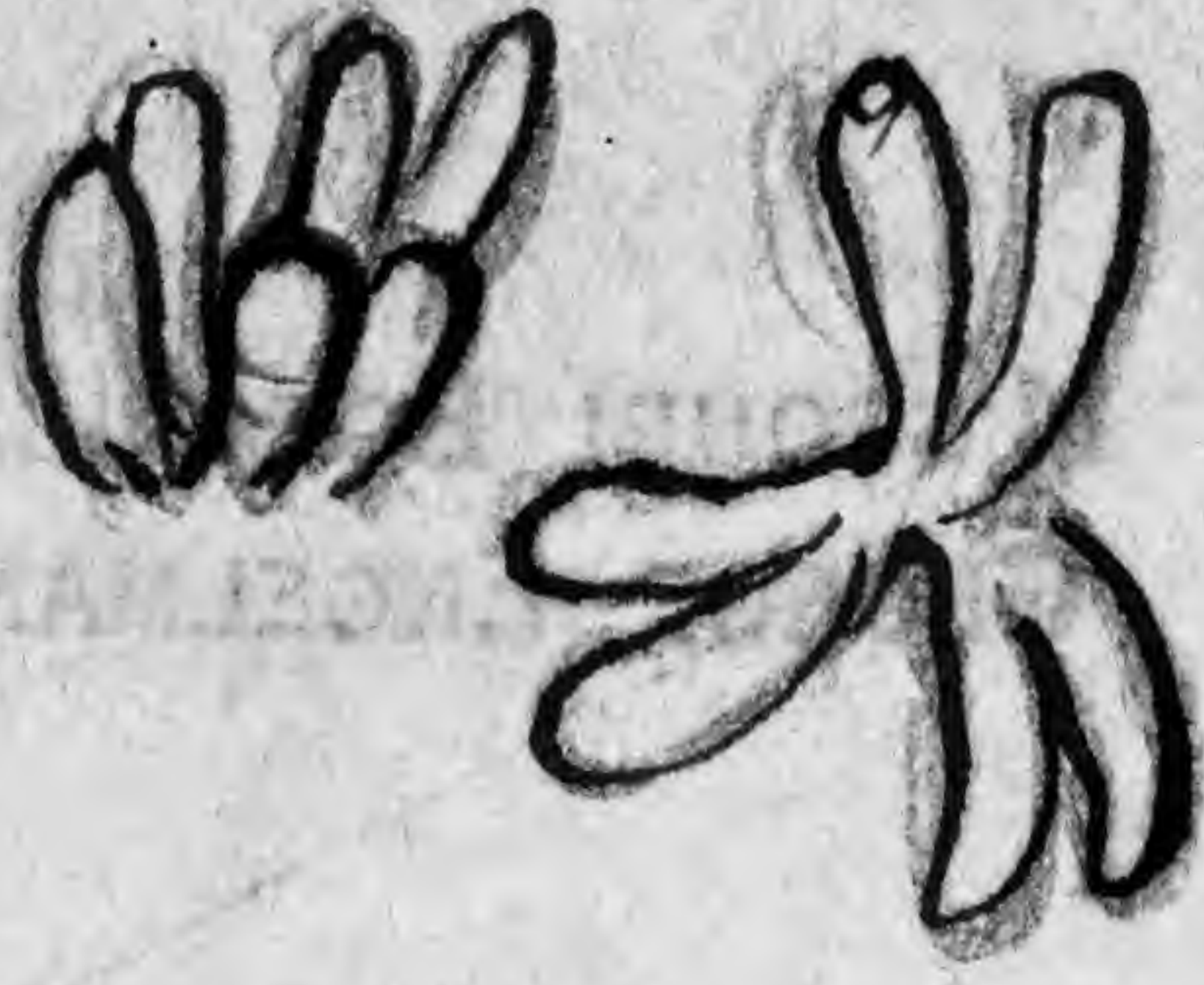
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398 ovalifolia ² Wright 1855

B5



antherae parvae puberulae
foliis glabris ^{ovatis} obliqua
obovata ^{ovatis} assemblata
stip multifidis setae us apice
antherae minutae tuberculatae
glabris angustibus appressis
latis;

stylis brevibus puberulis
ad basin bifidis, styg. utriusque
demum latis glabris
capite ant. angul. ^{truncato}
sem. o. b. ant. angul. ^{truncato}
angul. ant. integris

leaves 1-1 1/2 l. by

color rososo



0 1 2 3 4 5 6 7 8 9 10

cm

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Handwritten notes



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cm

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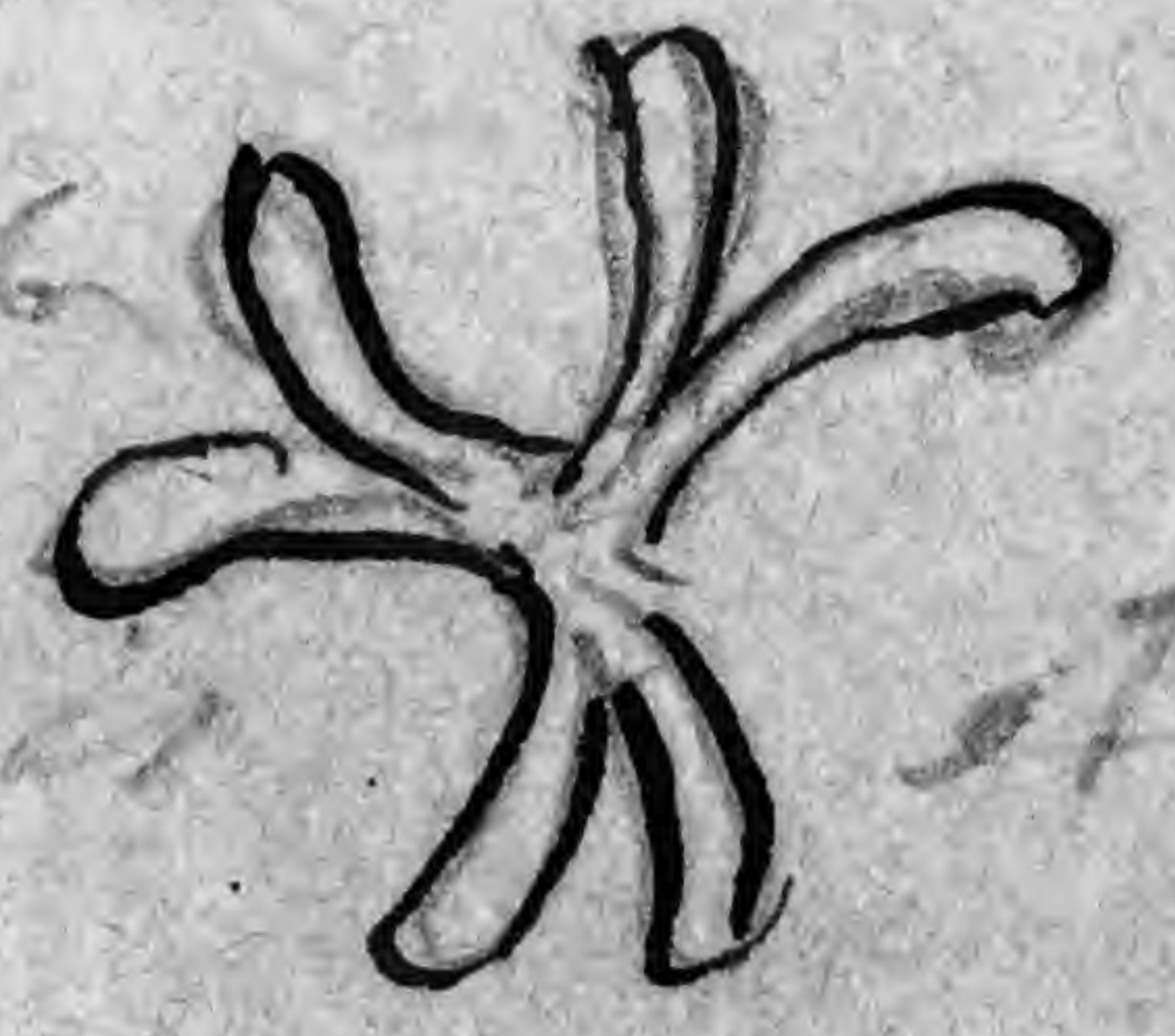
ovalifolia ^{coll}
30. p. mixed with Wright's 1857
~~private~~ no number

herb. diffus. glauca
peti. caulibus pilosis
fere inferne, ovarii
capulisque adpress
puberulis -

fol. obliqu. orbiculatis
s. reniformibus ^{cordatis}
obtusis ^{dentatis}
stipulis laciniis max
deciduis

~~strobilis~~ glomeratis
foliorum lateralibus
alternatis (= semi-
aridis)

stylis brevibus
med. fissis ^{ultra}
stigma



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7146

Clavellata, pedic
capsula acutangul
puberula
sem. o.b. lin

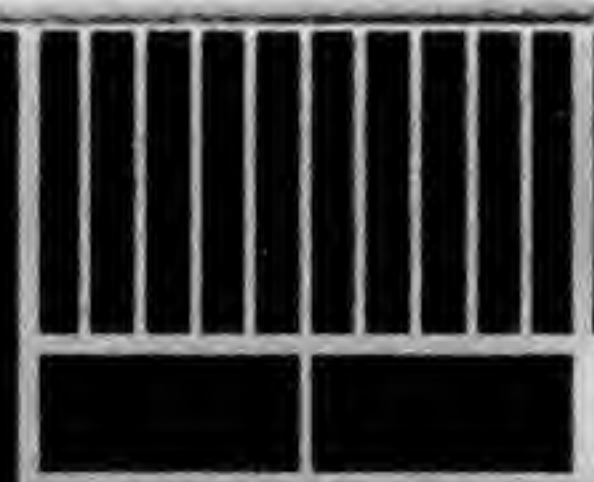
acut angulat transvers
6-7 rugae
vers rugos - angulis
subornatis

styli = hemisphaerid
only more fissi

involucro puberulo
sega. triangulatis
glabris minutis
inappressis



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0 1 2 3 4 5 6 7 8 9 10

cm

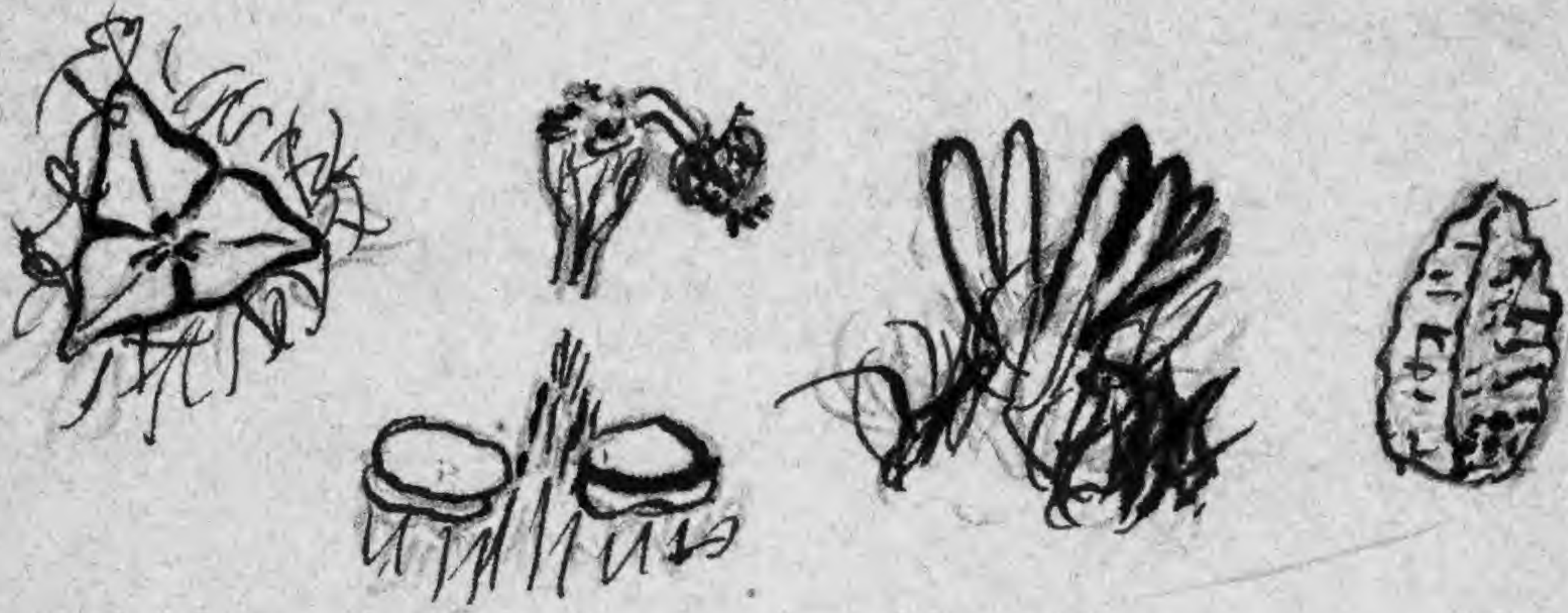
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72 *Ovaliplexis*
30. p.

Nov. 1848. 6.



anura prostrata. piloso-
pubescens
foliis e basi valde obliqua
obtus. s. subrotunda ovatis s.
obovatis obtus. serratis
super glabris pilosis
stipulae lanceolatis (subtus
cristatis) pilosis
glab. lenticulis subrotundis
pubescens
involucris turbinatis, glabris
retroflexis vix parvis
appressatis, basi l
caulis villosus
stylis minutis ultra
Med. divisis
cap. villosis ant. angul

long. 1.5-2.0 cm



0 1 2 3 4 5 6 7 8 9 10

cm

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7147 *Orchidaceae* 200



Seed - 0.4 x 0.2 mm

Orchidaceae *angulata* *jugosa*
angulata *acutis* *oculata*

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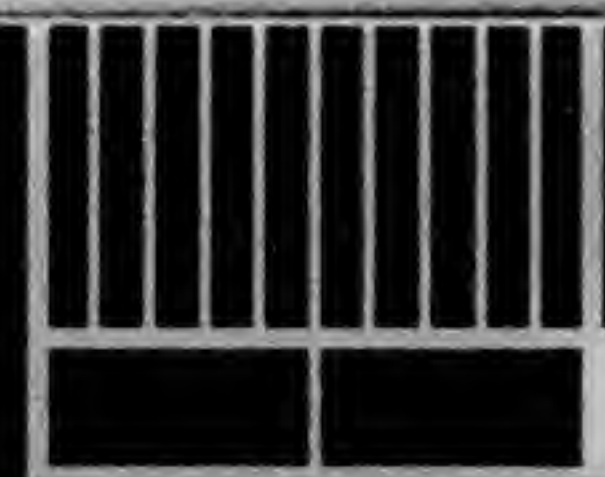
160

12

E. pedunculifera

tenosa

581-2



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cm

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Euphorbia pulcherrima
Lower California

Feb 28 '75
S. Watson mis.

x10



x4

stipit herbacei
comites triangulati



yellow glands white
apples



purple glands
rose apples

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DEPT. OF AGRICULTURE
WASHINGTON, D.C.



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cm

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ST LOUIS, MO.

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cm

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12

E. pedunculifera

Wright 1848

22



0.7 x 0.3

Annuum? portula tota denudata
 puberula
 foliis basi oblique obtusis
 s. deltoideis integris
 obtusis
 stip. triangularibus
 glomer. paniculatis terminalibus
 invol. hemisphaerico
 mag. transversis appendicibus
 stylis petalis ^{vel pub. longis} _{per} at basin
 2fid. ^{pub.} Stigma divaricatis
 caps. ant. angul. pub.
 sem. 0.7, 0.2, profunde 4 nervis
 compressis angulis 7.6.

11



0 1 2 3 4 5 6 7 8 9 10

cm

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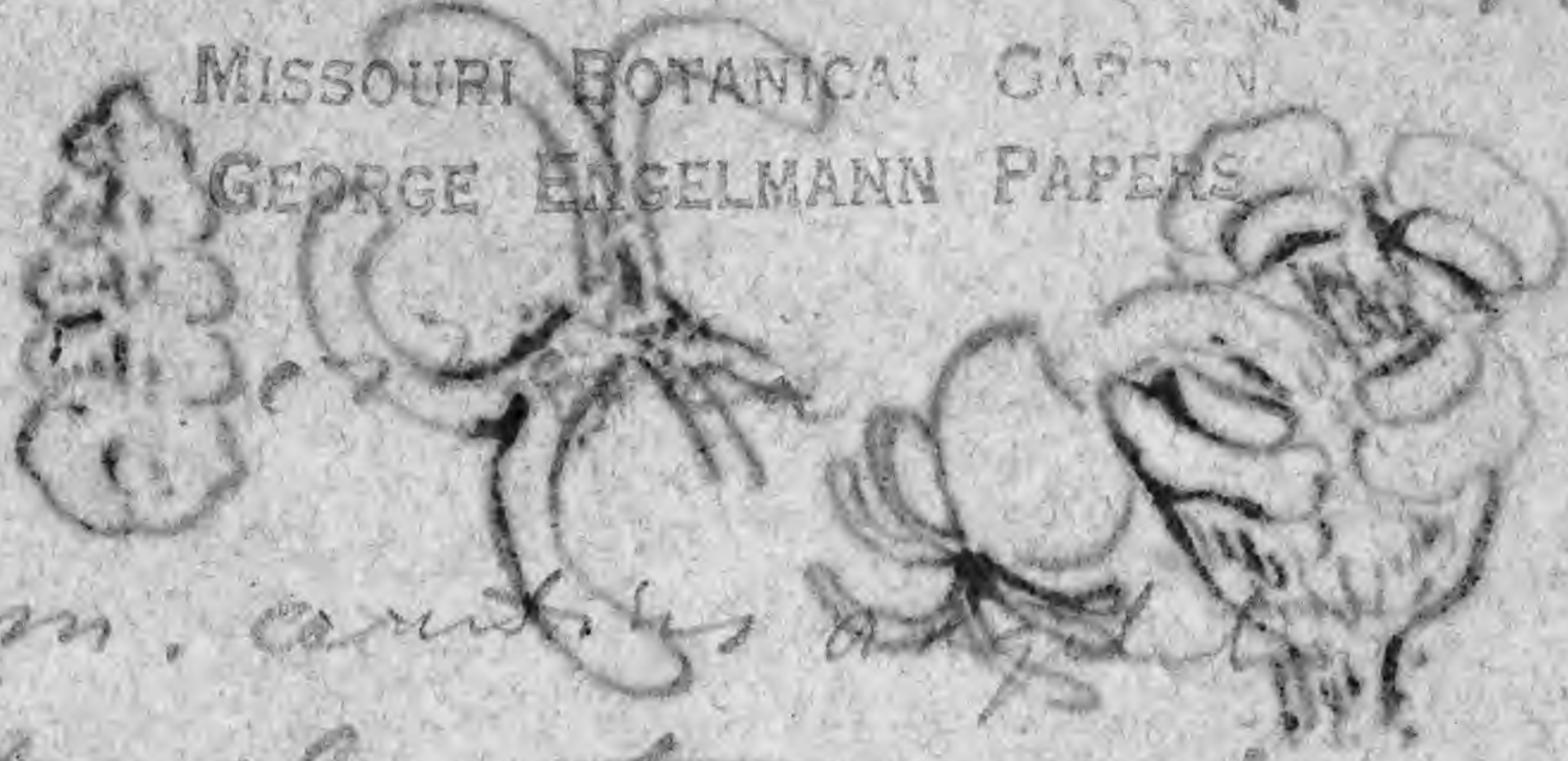
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1848

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Cypripedium



sem. carulis angulatis
ovato elongato fulvis.
transversim profunde 5-6
sub 5. mm totum
ambientibus 0.7 x 0.3



0 1 2 3 4 5 6 7 8 9 10

cm

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161

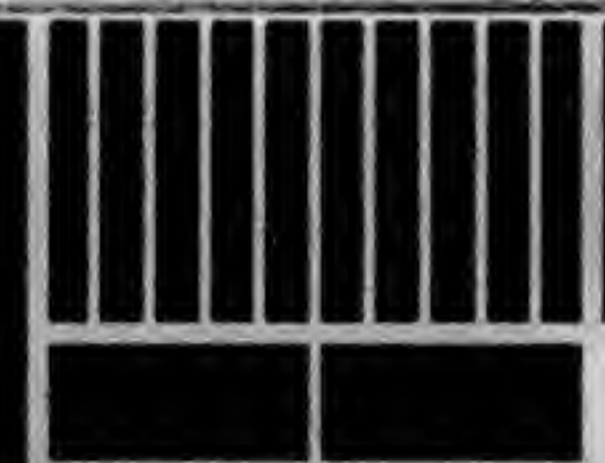
24

Euph. glyptosperma n. sp.

E. polygonifolia Hook fl. bor
am.

mountain plains
Texas, Mexico
Washington Terr.

583-5



0 1 2 3 4 5 6 7 8 9 10

cm

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0 1 2 3 4 5 6 7 8 9 10

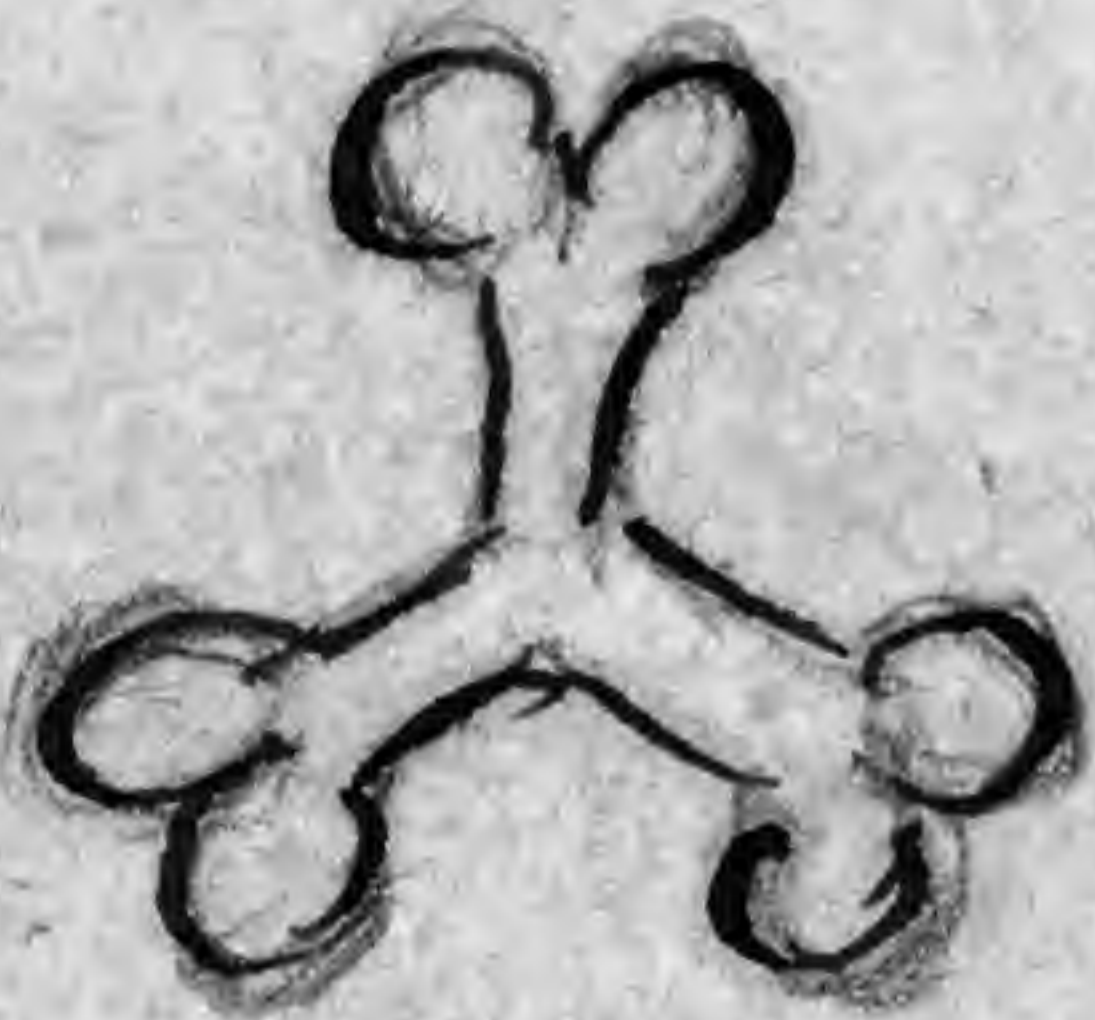
cm

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24. *E. glyptosperma*



0.5"
raised with
my Centi from
Folk Pierre!

stipulis setaceo laciniatis
foliis angustis oblongis
vix apice serratis



same

same

Bo Hayden - upper Missouri - leaves &
stipules the same, leaves sometimes
entire - at the base, equally
wide



same

same

Bo Hayden - upper Missouri, leaves
a little more serrate

same

same

same

Bo Hayden, Durbin's Hill, leaves almost
entire



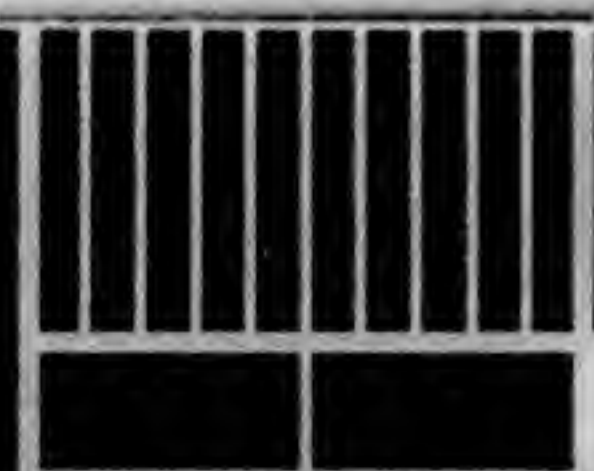
same

same

Tentler, Kansas
leaves on the broader side more serrate



Fallen, another specimen less
serrate leaves



0 1 2 3 4 5 6 7 8 9 10

cm

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3.15

7152



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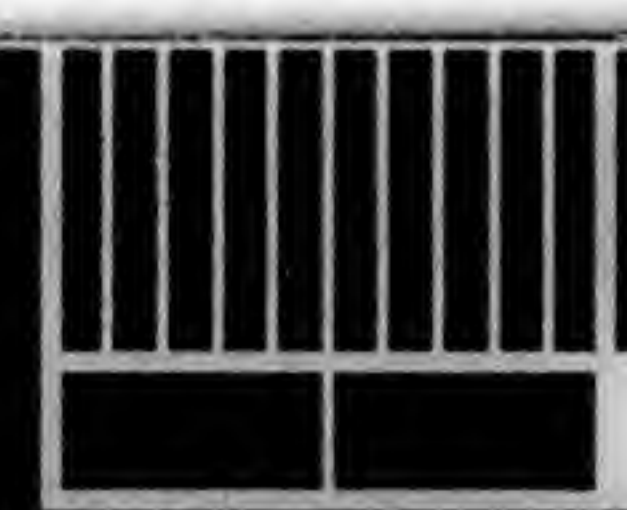
Angeli capsula

obtusius

amphodermis alaribus

de loco glomerata

luteo-olivacea



0 1 2 3 4 5 6 7 8 9 10

cm

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GARDEN

249 *E. glyptosperma*



Same — — — infra pedicel

foliis e basi vix
obliqua aciculatis
oblongis ^{oblongis} ~~oblongis~~ ^{oblongis}
obtusis versus apicem
anguste subseriatis

— — — ^{atque glabris}
— Stylis apicibus
capulis obtusis angulis

seriatis ovatis
anguste rugosis
angulis acutis (natis)

—



0 1 2 3 4 5 6 7 8 9 10

cm

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unpublished 3

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cm

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E. glyptosperma var *microphylla*

24. β.

Linth.



caulis erectus pilosus glaberrimus
fol. a basi maxime oblique oblongis
obtusis v. emarginatis apice crenatis
v. integris v. serratis;
stip. lanceolatis fissis laciniatis
obovatis

glor. lateral
invol. tuberculatum minutum (3^{mm})
glor. vix aequata appendiculata
stylis abscissa petalis, brevibus
apice stigmatibus 2 globis capitatis
bilobis

caps. acut.
sem. angul. acut. / angul. acut.
crenatis 0.4-0.5. / transverse 2.50

leaves 1-3 l. long. 1/2 - 1 broad

Wieg. 1853 = 1856 the same

~~Wieg. 1854 mostly~~



0 1 2 3 4 5 6 7 8 9 10

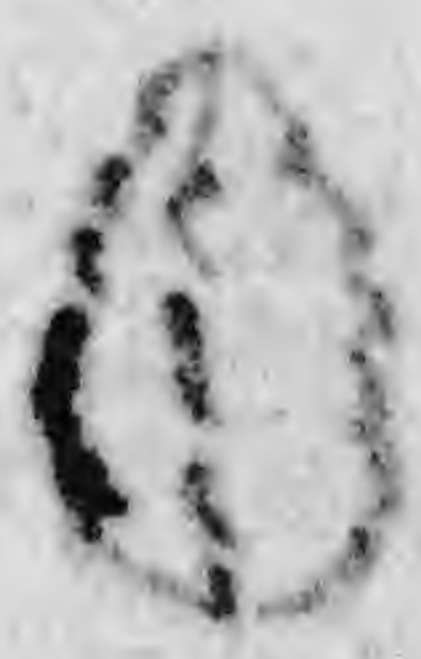
cm

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0 1 2 3 4 5 6 7 8 9 10

cm

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163

11

S. Arizonica

Sumner Schott

586

5



0 1 2 3 4 5 6 7 8 9 10
cm

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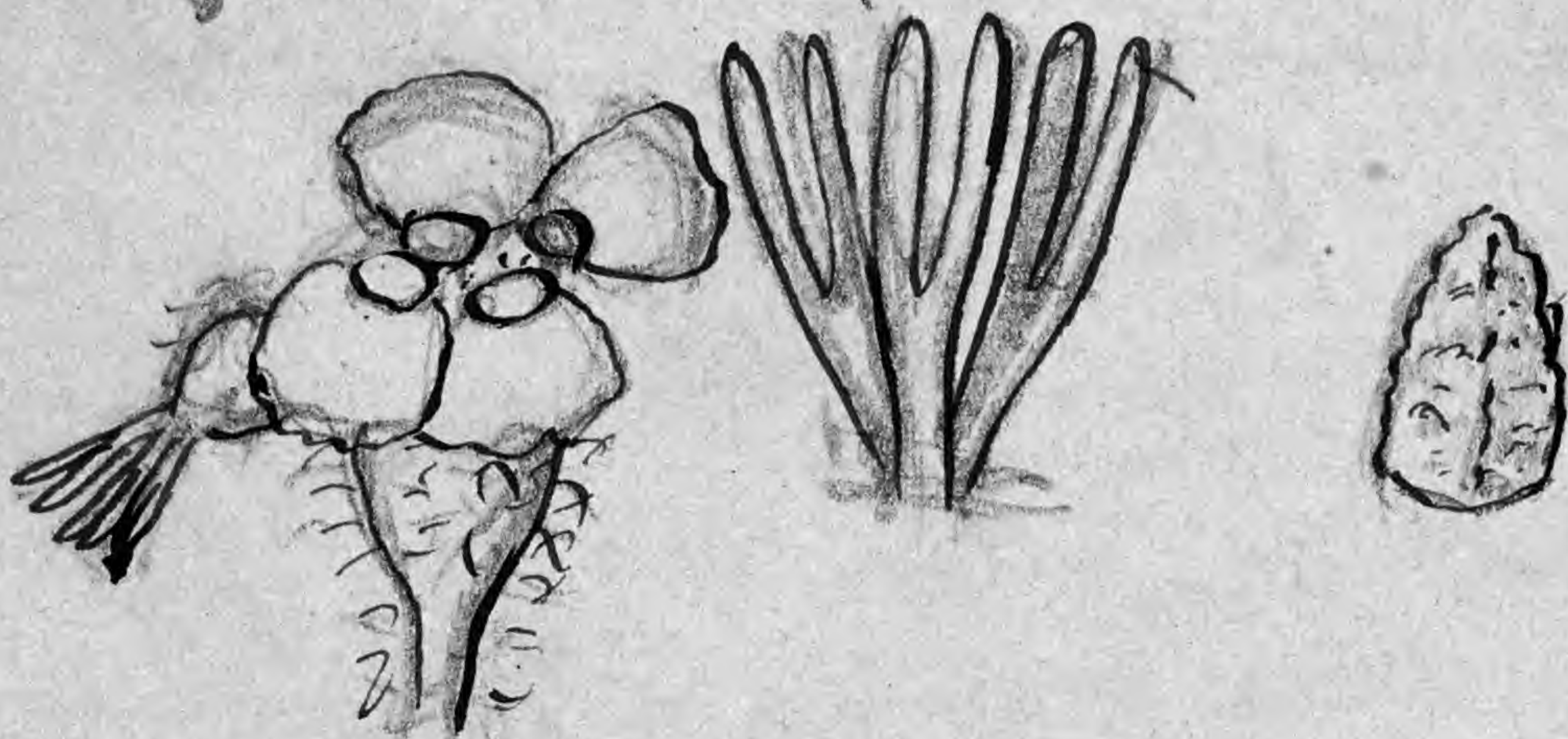


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11. *Erythronium*
stellanoides

Sketch. 15

21



antherata ovata villosa pubes.

filis a basi late vix inaequali
ovatis obtusis integris ~~per~~
pilosis

stipulis ~~incomparabilibus~~
antheris alaribus longis
pedunculatis

involucris dactylatis ovatis glabris

perigonio appulsi ~~longis~~
cellis obtusatis superius
postice fissis

stylis ovatis apice bifidis
(basi cinctis) stig. filif.



0 1 2 3 4 5 6 7 8 9 10
cm

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164

Ceph. leucophylla Benth

Jan 1861

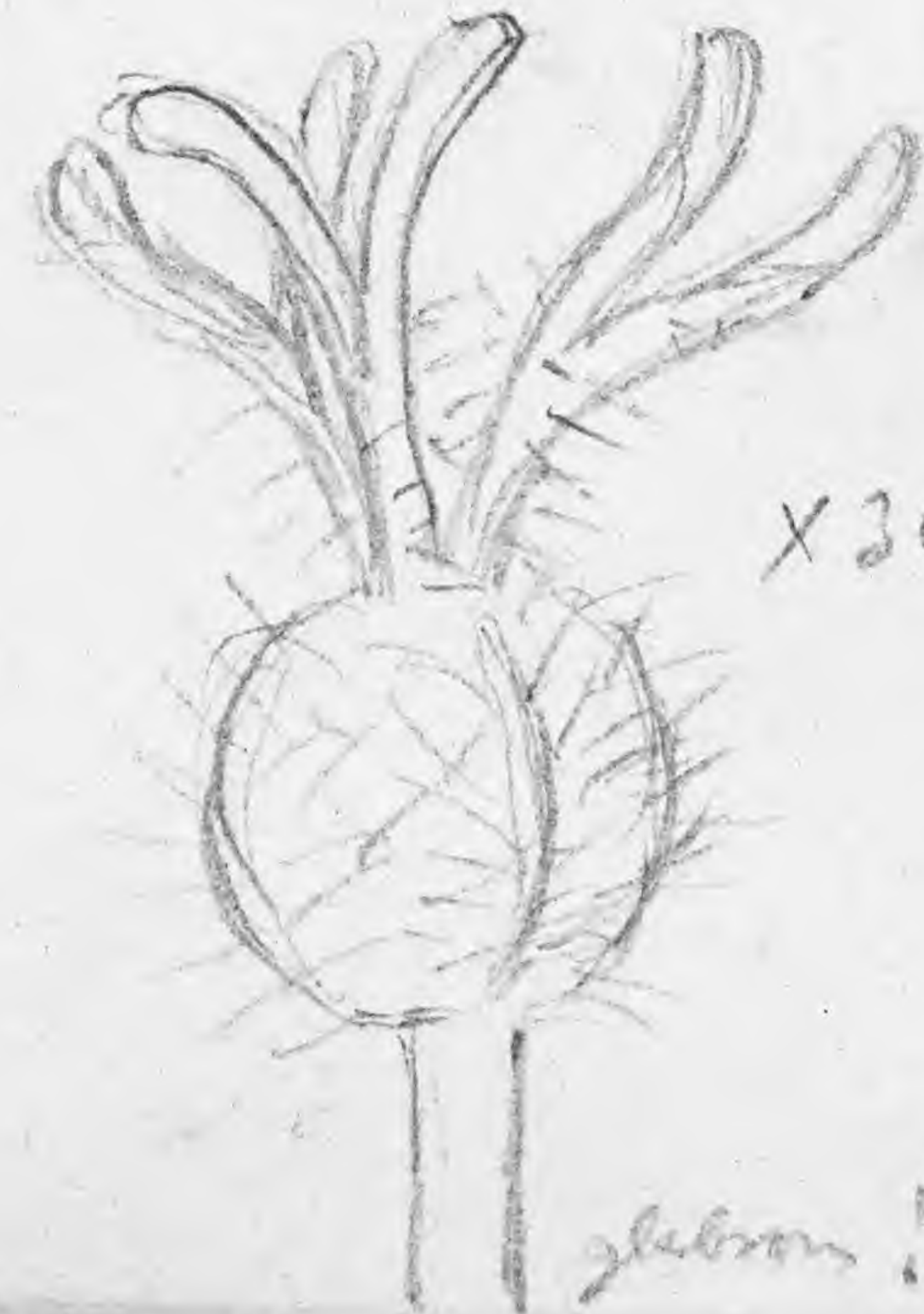
appendiculus didynamus

x60

x10



x10



x30



x30



seed nearly 0.5 lin by

glabrous!



0 1 2 3 4 5 6 7 8 9 10

cm

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ALEX. LEITCH,
APOTHECARY & PHARMACEUTIST,

Marble Building Cor. Fourth & Olive Sts. St. Louis, Mo.

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166

E. adenoptera Dröbtl 31

E. anceps Benth! 1844

E. dioica Hook!

E. multiflora Willd - hb. 9291

E. densiflora Kl. mss.

E. ocyroides Hook & Arn. Bot
Asceby 310
in Lin

E. dioica is the oldest name, but so inappli-
cable that I prefer Benthans published
name

Bonnier adopts adenoptera

588-600



0 1 2 3 4 5 6 7 8 9 10

cm

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0 1 2 3 4 5 6 7 8 9 10

cm

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3. e

E. schizoglossata

E. depressa Philippin
Hb. Berlin

St. Jago Chili



0 1 2 3 4 5 6 7 8 9 10

cm

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Euphorbia adenoptera?
Biscayne Key, Florida, Palms

Feb 28 '75

x10



perobliq-
orbiculat cordat
crescens
cinnam puberul

upper side
dipet
connate
lacunulat
fiss

lower side
stip. petiform. lacunat.
dilatatus



stylis apice
trifidi
slig. retusum

allied to *E. nutans*



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cm

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